

# HPE-11™ Series

## SEVERE DUTY PLUNGER PUMPS

BELT DRIVEN	DIRECT DRIVE
HPE-111™	HPE-1141™
HPE-112™	HPE-1142™
HPE-113™	HPE-1143™
HPE-114™	HPE-1144™

### FEATURES

- Transfer up to 556 GPM
- Head levels up to 170'
- 160,000 psi strength shafts
- Replaceable bronze insert for lower cost parts
- Leak resistant design with Plunger Pac™ standard

### CUSTOMER SUPPORT

**North America**  
1-888-829-2783

**International**  
+1-201-445-2882

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techsupport@wastecorp.com

**wastecorp.com**

**WASTECORP.**  
**PLUNGER PUMPS**  
OEM MANUFACTURER



# Under Siege With Sewage? Get a Proven Performer.

There is a reason Wastecorp HPE-11 Series plunger pumps continue to pump sewage for the world's largest wastewater treatment plants and industrial facilities. There is simply no other time tested pump technology that can compare to the long term reliability, productivity and low cost of ownership than the Wastecorp HPE-11 since 1928.

With the HPE-11 plunger pump, you customize to suit your operating conditions. Whether you need a dual ball valve configuration on stainless steel components Wastecorp has the right HPE-11 for your facility.

General Specifications	Simplex HPE-111W/ HPE-1141	Duplex HPE-112W/ HPE-1142	Triplex HPE-113W/HPE- 1143	Quadruplex HPE-114W/HPE- 1144
Number of plungers	1	2	3	4
Plunger dia. (in)	11			
Air chambers	(2) 9"x30"			
Flanged connections	4" ANSI 125 #	4" ANSI 125 #	6" ANSI 150 #	6" ANSI 150#
Driver speed, RPM	1200   1800			
Number of pin positions	11			
Max. strokes per min.	50			
Max. stroke length (in)	7.25			
Max. suction lift (ft)	20			
Max. total head (ft)	170	170	130	95
Max. capacity (GPM)	142	280	418	556
Eccentric dia. (in)	12			
Eccentric shaft tensile strength (PSI)	160,000			
Approx. weight less driver (lbs)	1450	2400	3600	4400

### Recommended Spare Parts

Index shear pin	60795-00
Ball valve	33956-00
Bushing (bronze)	15376-00
Connecting insert	52003-00
Plunger 11"	15338-00

Pump Component	Standard Material	Optional Material
MAIN SHAFT	A4140/4142 High-Strength Alloy Steel	
ECCENTRIC	ASTM A48, Class 35 Grey Iron	
LUBRICATION	Manual Sight Feed Oiler, 5 oz	a) Automatic ball-type oiler with needle valve (5 oz), b) Electric Solenoid Oiler, c) Mechanical Force Feed Lubricator
DRIVEN/DRIVE FLANGES	ASTM A48, Class 35 Grey Iron	
BUSHING, SHEAR PIN	Hardened Steel	
SHEAR PIN	Fabricated Cold Rolled Steel	
CONNECTING ROD	ASTM A48, Class 35 Grey Iron	ASTM A536 Grade 65-45-12 Ductile Iron
ECCENTRIC BEARING LINER	Replaceable, Bronze SAE 660	
BUSHING, WRIST PIN	SAE 941 Oil-Lite Bronze	
WRIST PIN	A4140/4142 High-Strength Alloy Steel	
VALVE SEAT	ASTM A48, Class 35 Grey Iron	Bronze Alloy, 316 Stainless Steel
BALL VALVE	5-1/8" Urethane Rubber with Centralized Iron Core	
PLUNGER	ASTM A48, Class 35 Grey Iron	ASTM A536 Grade 65-45-12 Ductile Iron
OPTIONAL PLUNGER COATINGS	PUMP BODY	Coatings Available: a) Chrome Oxide, b) Aluminum Oxide, c) Tungsten Carbide, d) Hastelloy C, e) Stainless Steel
STUFFING BOX	ASTM A48, Class 35 Grey Iron	
GLAND	ASTM A48, Class 35 Grey Iron	
FLANGE CONNECTION	4" ANSI 125 lb (Simplex and Duplex Pumps) 6" ANSI 150 lb (Triplex and Quadruplex Pumps)	
SAMPLING DRAIN VALVE	2" Brass Ball Valve on Discharge	2" Brass Ball Valve on Suction 1" Capped Hose Valve on Suction
AIR CHAMBER	A53 Seamless Steel Pipe, Anodized/Galvanized with ¼" brass air release valve/petcock	304 or 316 Stainless Steel
PACKING	½" sq. Graphite Impregnated Braided with Polyurethane seal	a) Graphite Rings Only, b) Chevron Rings Only, c) Combo (Graphite/Chevron), d) Plunger Pac (Chevron, Teflon and Poly-urethane seal)
PUMP BASE	Fabricated heavy-duty steel channel and tube base plate and pedestals with drip gutters and 1" drain connections	
DRIVE ARRANGEMENT	Constant Speed, Helical horizontal Gearmotor coupled to pump's mainshaft, Max. Output Speed: 50 RPM	a) Constant Speed, Helical Shaft-Mounted vertical Gearmotor (vertical), b) V-Belt/Gear/Pulley System, c) Mechanical Variable Speed Drives, d) Variable Frequency Drives, e) Others – Contact Wastecorp
DRIVE COUPLING	Flexible Grid-Type	a) Disc Coupling, b) Elastomer Coupling, c) Others – Contact Wastecorp

### HPE-SERIES PLUNGER PUMPS

ENGINEERED BY WASTECORP. PUMPS

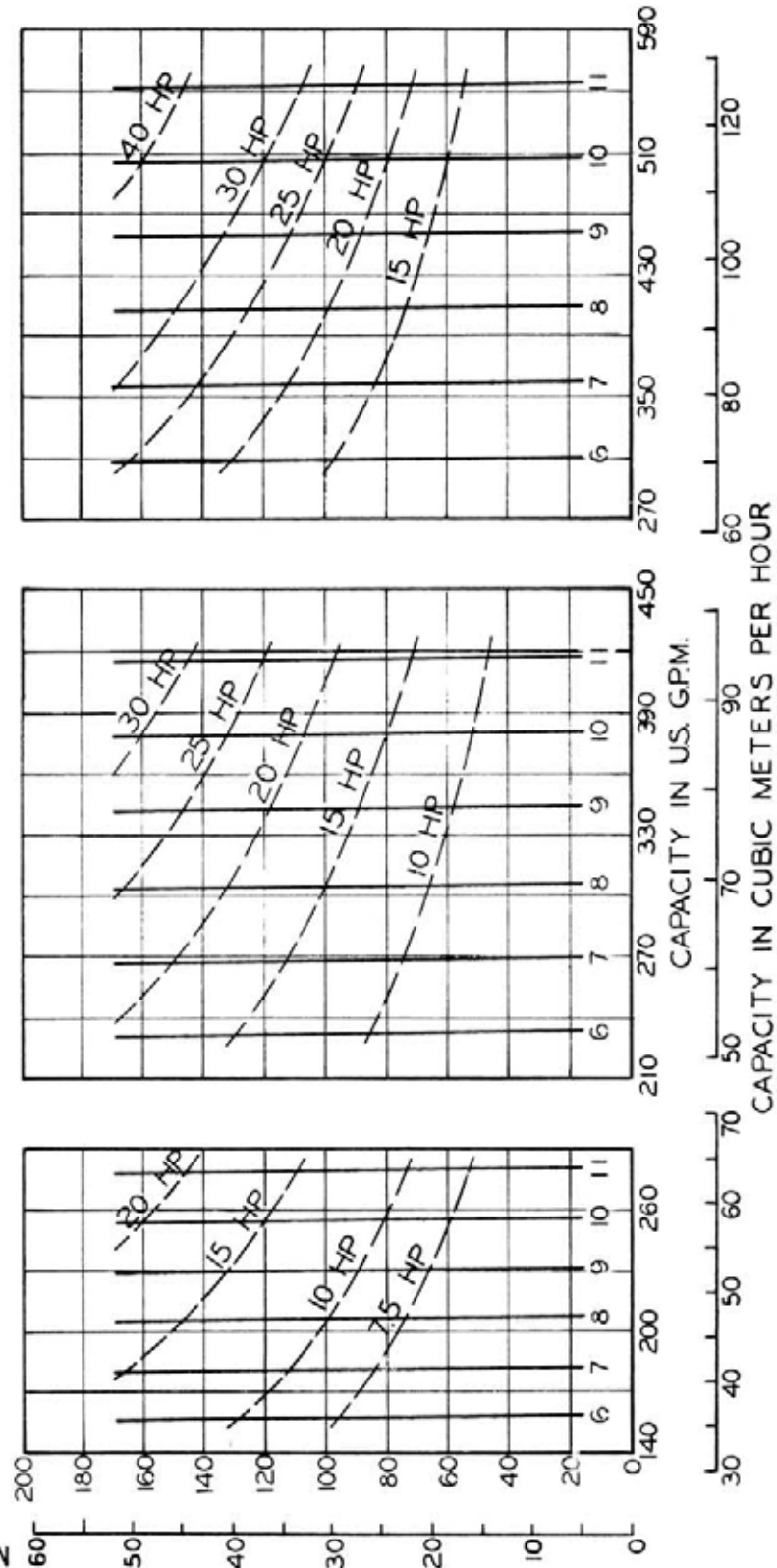
Series: HPE-4 Liquid: SP.GR.1.0

Plunger Dia: 1.1" (27.9cm) S.P.M: 50

Lift: 10' (3M)

PIN POS.	STROKE INCHES	LENGTH CM
6	4.125	10.5
7	4.750	12.1
8	5.375	13.7
9	6.000	15.2
10	6.625	16.8
11	7.250	18.4

TOTAL HEAD IN METERS  
FEET



HPE-1142

HPE-1143

HPE-1144

# HPE-11™ Series

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PLUNGER PUMPS

Wastecorp Sludge Master®  
Plunger Pumps



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